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ART UNIT	PAPER NUMBER
2144	

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/761,922	CHRISTENSEN ET AL.
	Examiner	Art Unit
	Michael S. A. Delgado	2144

-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _02 September 2004_.
2a)☒ This action is **FINAL.** 2b)☐ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-58_ is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) _1-58_ is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on _17 January 2001_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
        1.☐ Certified copies of the priority documents have been received.
        2.☐ Certified copies of the priority documents have been received in Application No. _____.
        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 9/02/2004 have been fully considered but they are not

persuasive.

In response to the argument that the limitation of "making the first and second network

identification tags available on their respective I/O network". The function of a gateway (I/O

network) requires the knowledge of the source of data (associated with first network) and its

intended target (associated with second network). In US 6,735, 619 by Sawada, device and node

identifications are stored in an auxiliary storage 57, which is a part of a gateway apparatus 12

(Fig 3) (Col 6, lines 20-30). To determine the entry point and the exit point of a gateway there

has to be an identification of the source and the identification of destination. Without this

knowledge it would be impossible for a gateway as known in the art to execute its intended

function of transporting data from an entry point to an exit point.

In response to the argument as to the validity of "node ID" and "unique ID" as use by

examiner. This is supported by applicant's specification at page 7, lines 10-12. Here the phase

"using a preset list of unique names" is consistent with examiner interpretation of the phrase

"unique network identification" as to a manufacturer device ID.

In response to the argument as to the IEEE 1394 bus reset using new IDs instead of the

previous ones. It should be noted that the words " previous or previously" is not a part of the

limitation that is being claimed.

In response to claim 24, the arguments that were presented for claim 1 are applied. The

new amendments will be address by the office action.

In response to claim 50, as to the argument that " a diagnostic tool for identifying a

selected I/O network" is not taught by Sawada. In Sawada invention, the discovery process of

identifying devices using Plug and Play is taught (Col 11, lines 30-50).   Plug and Play has the

diagnostic ability to detect when a new device is connected to an I/O and also the means to

identify the device. These features as stated are consistent with the invention as claimed. The

Newton's Telecom Dictionary 18th Updated and Expanded edition by Harry Newton at page 574

defines Plug and Play as "Plug And Play This explanation comes from an Intel Technology

Primer: Since adding cards first appeared over a decade ago, they've given users a lot of different

ways to improve their PCs and given them a lot of installation headaches. In this brief, we'll tell

you how Intel, together with industry leaders, has spent years developing Plug and Play

technology to make add-in cards both easier to use and install. Never before has the PC had as

many capabilities as it does today. That's due in part to the large number of add-in cards

available, like those for multimedia and faxmodems. Yet, as more cards are added to a PC, their

installation can become quite complex. Installing a card can be a time-consuming and technical

process, and there's no guarantee it will even work the first time. Sometimes the user must

configure the card manually, which means selecting a variety of system resources for each card.

These include Interrupt Requests (IRO), I/0 and memory addresses, and Direct Memory Access

(DMA) channels. Every PC has a limited number of these resources available. Each card is

designed to use a small group of them. Assigning these resources means opening the computer

and physically setting the jumpers and DIP switches. And since no standard has been set to

determine which cards can use which resources, numerous conflicts can arise between cards.

Often, it's a process of trial and error to determine which resources aren't already being used by

other cards. Since the ISA bus was introduced, several new bus architectures have followed to

solve the resource allocation problem. For example, the MCA and the EISA bus standards both

defined a mechanism where add-in cards were configured somewhat automatically. These bus

architectures allocated the resources, but the process wasn't always flexible and still required

some manual intervention. And they still left the current ISA cards without a solution. Plug and

Play technology, co-developed by Intel and other industry partners, consists of hardware and

software components that card, PC, and operating system manufacturers incorporate into their

products. With this technology, the user is responsible for simply inserting the card.

Plug and Play makes the card capable of identifying itself and the resources it requires.

The system's software automatically sets up a suitable configuration for the card. Newly

developed PCI and Plug and Play ISA cards are all built to eliminate user intervention during the

installation process."

Claim Rejections - 35 USC § 112

2.   Claim 1 and 24 are rejected under 35 U.S.C. 112, second paragraph, as failing to set forth

the subject matter which applicant(s) regard as their invention. Evidence that claim 1 fail(s) to

correspond in scope with that which applicant(s) regard as the invention can be found at page 13,

lines 17-32 in the reply filed 9/02/2004. In that paper, applicant has stated about using a

previous created network identification tag, and this statement indicates that the invention is

different from what is defined in the claims 1 and 24 because there is no indication of this

limitation within the claim.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-58 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No.

6,735,619 by Sawada.

In claim 1, Sawada teaches about a method for use in a process control system having a

plurality of input/output (I/O) networks "Nodes", the method comprising the steps of (Fig 10):

creating a first unique network identification tag "unique ID" for a first one of the I/O

networks "node of lamp" (Col 5, lines 35-45);

creating a second unique network identification tag "unique ID" for a second one of the

I/O networks "node of camera" (Col 5, lines 35-45);

storing the first network identification tag in a first device communicatively coupled to

the first I/O network (Col 6, lines 20-30); (node information is stored on device to support Plug

and Play operation associated with IEEE 1394)

storing the second network identification tag in a second device communicatively

coupled to the second I/O network (Col 6, lines 20-30); (node information is stored on device to

support Plug and Play operation associated with IEEE 1394)

making the first network identification tag available on the first network (Col 6, lines 20-

30); (Information is made available during bus reset of IEEE 1394 devices)

and

making the second network identification tag available on the second network (Col 6,

lines 20-30). (Information is made available during bus reset of IEEE 1394 devices)

In claim 2, Sawada teaches about a method of claim 1, wherein the step of creating the

first unique network identification tag for the first I O network includes the steps of:

creating identification tags "unique IDs" for two or more devices (Camera , Lamp),

wherein the devices are communicatively coupled to create a communication pathway from a

user interface to the first I/O network "node" (Col 5, lines 35-45), (Col 6, lines 40-45); and

combining the identification tags for each of the two or more devices to create the first

network identification tag "home device directory" (Col 9, lines 40-65). (Home device directory

indicate the layout to the network as shown in fig 10 which is consistent with the specification)

In claim 3, Sawada teaches about a method of claim 2, wherein the step of combining the

identification tags includes the step of concatenating the identification tag for each of the two or

more devices to create the first network identification tag (Col 9, lines 40-45). (Home device

directory indicate the layout to the network as shown in fig 10 which is consistent with the

specification)

In claim 4, Sawada teaches about a method of claim 2, further including the step of

creating a unique identification tag for at least one of the two or more devices (Col 9, lines 40-

45).

In claim 5, Sawada teaches about a method of claim 1, wherein the step of creating the

first network identification tag for the first 1/O network includes the steps of:

creating a first unique identification tag for a first device communicatively coupled to an

user interface and to the first I/O network (Col 5, lines 35-45); and

using the first identification tag to create the first network identification tag (Col 9, lines

60-67). (Home device directory indicate the layout to the network as shown in fig 10, which is

consistent with the specification).

In claim 6, Sawada teaches about a method of claim 5, wherein the step of creating the

first unique identification tag for the first device "camera" includes the step of creating the first

unique identification tag for a process controller "computer terminal" communicatively coupled

to the user interface "gateway apparatus" and to the first I/O network (Fig 2A) (Col 5, lines 35-

45). The computer terminal is higher up the hierarchy than the camera.

In claim 7, Sawada teaches about a method of claim 5, wherein the step of creating the

first unique identification tag for the first device includes the step of creating the first unique

identification tag for an I/O device communicatively coupled to the user interface and to the

first network (Col 9, lines 45-60).

In claim 8, Sawada teaches about a method of claim 5, wherein the step of creating the

first unique network identification tag for the first 1/O network includes the steps of:

creating a second identification tag for a second device "lamp" communicatively coupled

to the first device and to the first L/O network (Col 5, lines 35-45); and

using the second identification tag to create the first network identification tag (Col 9,

lines 40-45).

In claim 9, Sawada teaches about a method of claim 8, wherein the step of creating the first network identification tag for the first I/O network includes the step of concatenating the first identification tag and the second identification tag to create the first network identification tag (Col 9, lines 55-67). (Home device directory indicate the layout to the network as shown in fig 10, which is consistent with the specification).

In claim 10, Sawada teaches about a method of claim 1, wherein the step of storing the first network identification tag in the first device communicatively coupled to the first I/O network includes the step of storing the first network identification tag in a process controller communicatively coupled to the first I/O network (fig 2a). (For communication between gateway apparatus and camera to be possible computer terminal has to know the address of the camera)

In claim 11, Sawada teaches about a method of claim 1, wherein the step of storing the first network identification tag in the first device communicatively coupled to the first I/O network includes the step of storing the first network identification tag in an I/O device communicatively coupled to the first I/O network (Col 4, lines 35-40). (Storage gives the system the ability to retrieve information whenever it is needed and by locating the information in different locations does not take away from the spirit of the invention).

In claim 12, Sawada teaches about a method of claim 11, wherein the step of storing the first network identification tag in the I/O device communicatively coupled to the first I/O

network includes the step of storing the first network identification tag in an I/O interface card

communicatively coupled to the first I/O network (Col 4, lines 35-40). (Storage gives the system

the ability to retrieve information whenever it is needed and by locating the information in

different locations does not take away from the spirit of the invention).

In claim 13, Sawada teaches about a method of claim 11 wherein the step of storing the

first network identification tag in the I/O device includes the step of storing, the first network

identification tag in an I/O carrier communicatively coupled to the first I/O network (Col 4, lines

35-40). (Storage gives the system the ability to retrieve information whenever it is needed and by

locating the information in different locations does not take away from the spirit of the

invention).

In claim 14, Sawada teaches about a method of claim wherein the step of making the first

network identification tag available on the first I/O network includes the step of transmitting the

first network identification tag on the first I/O network in response to a request for the first

network identification tag (Col 9, lines 40-55).

In claim 15, Sawada teaches about a method of claim 1, wherein the step of making the

first network identification tag available on the first 1/0 network includes the step of periodically

transmitting the first network identification tag on the first 1/0 network (Col 9, lines 50-60).

In claim 16, Sawada teaches about a method of claim 1, further including the steps of:

communicatively coupling a diagnostics tool and the first I/O network (Col 11, lines 30-50); and

accessing the first network identification tag via the diagnostic tool (Col 11, lines 30-50). (The process of initialization in IEEE is a process of discovery, which makes it equivalent to a diagnostic tool).

In claim 17, Sawada teaches about a method of claim 16, wherein the step of accessing the first network identification tag includes the step of issuing a request for the first network identification tag on the first I/O network (Col 11, lines 45-55).

In claim 18, Sawada teaches about a method of claim 16, wherein the step of accessing the first network identification tag includes the step of listening for the first network identification tag on the first I/O network (Col 11, lines 35-50).

In claim 19, Sawada teaches about a method of claim 16, further including the step of identifying communication protocol for the first I/O network (Col 10, lines 10-15). (The information in the configuration ROM indicates the capability of the device, which can only be operated by knowing the assigned protocol).

In claim 20, Sawada teaches about a method of claim 16 further including the steps of:

interpreting the received first network identification tag (Col 11, lines 45-50); and

providing an indication representative of the identity of the first I/O network on the

diagnostic tool (Col 11, lines 30-40),(Fig 10).

In claim 21, Sawada teaches about a method of claim 20, wherein the step of providing

the indication representative of the identity of the first 1/O network includes the step of

displaying the first network identification tag on the diagnostic tool (Col 9, lines 55-67)(Fig 10).

In claim 22, Sawada teaches about a method of claim 20, wherein the step of providing

the indication representative of the first I/O network includes the step of displaying the first I/O

network within a configuration diagram (Col 9, lines 55-67) (Fig 10).

In claim 23, Sawada teaches about a method of claim 16, further including the steps of:

accepting a user provided network identifier "device name" for a selected I/O network as

an input (Col 10, lines 15-20);

storing the user provided network identifier (Col 10, lines 15-20);

receiving the first network identification tag from the first I/O network (Col 9, lines 50-

60);

comparing the identity of the I/O network associated with the user provided

network identifier with the identity of the I/O network associated with the first network

identification tag (Col 7, lines 30-40); (This task is done by the mapping table)

generating a first indication if the identity of the I/O network associated with

the first network identification tag matches the identity of the I/O network associated with the

user provided network identifier (Col 11, lines 30-50); (This is an attachment)and

generating a second indication if the identity of the I/O network associated

with first network identification tag does not match the identity of the I/O network associated

with the user provided network identifier (Col 11, lines 30-50). (This is a detachment)

In claim 24, Sawada teaches about a process control system comprising:

a user interface "gateway apparatus" (Fig 2A), (Col 5, lines 35-45);

one or more process controllers "IEEE 1394 controller" communicatively coupled to the

user interface and to a plurality of I/O networks including a first I/O network and a second I/O

network (Col 5, lines 35-45) (Fig 3, 58, 26);

a first unit "camera" communicatively coupled to the first I/O network and adapted to

make a first unique network identification tag "node ID" for the first I/O network available on

the first I/O network (Col 5, lines 35-45) (Col 6, lines 35-50); and

a second unit "lamp" communicatively coupled to the second I/O network and adapted to

make a second unique network identification tag for the second I/O network available on the

second I/O network (Col 5, lines 35-45) (Col 6, lines 35-50).

In claim 25, Sawada teaches about a process control system of claim 24, wherein the first

unit includes a routine adapted to be implemented on a processor to create the first network

identification tag (Col 9, lines 40-45).

In claim 26, Sawada teaches about a process control system of claim 24, wherein the first

unit includes a routine adapted to be implemented on a processor to ascertain identification tags

for each of two or more devices, wherein the two or more devices are communicatively coupled

to create a communication pathway from the user interface to the first I/O network (Col 9, lines

55-65). (Home device directory indicate the layout to the network as shown in Fig 10 which is

consistent with the specification)

In claim 27, Sawada teaches about a process control system of claim 26, wherein the routine combines the identification tags for each of the two or more devices to create the first network identification tag. (Col 9, lines 55-65). (Home device directory indicate the combine layout to the network as shown in Fig 10, which is consistent with the specification).

In claim 28, Sawada teaches about a process control system of claim 27, wherein the routine concatenates the identification tags for each of the two or more devices to create the first network identification tag (Col 9, lines 55-65). (Home device directory indicate the layout to the network as shown in Fig 10 which is consistent with the specification)

In claim 29, Sawada teaches about a process control system of claim 24, wherein the first unit includes a routine adapted to be implemented on a processor to ascertain a first unique identification tag for a first device communicatively coupled to the user interface and to the first I/O network and to use the first identification tag to create the first network identification tag (Col 9, lines 40-45).

In claim 30, Sawada teaches about a process control system of claim 29. wherein the first device comprises one of the one or more process controllers (Fig 3,26).

In claim 31, Sawada teaches about a process control system of claim 29, wherein the first device comprises an I/O device (Fig 3, 28).

In claim 32, Sawada teaches about a process control system of claim 29, wherein the routine ascertains a second identification tag for a second device communicatively coupling the

first device to the I/O network and uses the second identification tag to create the second network

identification tag (Col 9, lines 55-67). (Home device directory indicate the combined layout to

the network as shown in fig 10 which is consistent with the specification)

In claim 33, Sawada teaches about a process control system of claim 32. wherein the

routine combines the first identification tag and the second identification tag to create the first

network identification tag (Col 9, lines 55-67). (Home device directory indicate the combined

layout to the network as shown in fig 10 which is consistent with the specification)

In claim 34, Sawada teaches about a process control system of claim 33, wherein the

routine concatenates the first identification tag and the second identification tag to create the first

network identification tag "index.html" (Fig 10).

In claim 35, Sawada teaches about a process control system of claim 24, wherein the first

unit comprises a memory (Fig 3,74) and a routine adapted to be implemented on a processor

within one of the one or more process controllers (Fig 3, 26, 28).

In claim 36, Sawada teaches about a process control system of claim 24, wherein the first

unit includes an I/O device communicatively coupled to the first I/O network (Fig 3, 28).

In claim 37, Sawada teaches about a process control system of claim 36, wherein the I/O

device comprises an I/O interface "IEEE 1394 physical layer I/O" (Fig 3, 36a).

In claim 38, Sawada teaches about a process control system of claim 36. wherein the I/O

device comprises an I/O carrier (IEEE 1394 control bus) (Fig 3,1).

In claim 39, Sawada teaches about a process control system of claim 2-1, wherein the first unit includes a routine adapted to be implemented on a processor to make the first network identification tag available on the first I/O network in response to a request for the first network identification tag on the first I/O network (Col 9, lines 25-40).

In claim 40, Sawada teaches about a process control system of claim 24, wherein the first unit includes a routine adapted to be implemented on a processor to make the first network identification tag available on the first I/O network on a periodic basis (Col 9, lines 25-40).

In claim 41, Sawada teaches about a process control system of claim 24, wherein the first I/O network comprises a bus (IEEE 1394 data bus) (Fig 3,1).

In claim 42, Sawada teaches about a process control system of claim 24, wherein the first I/O network comprises a bus adapted to support multiplexed communications (Fig 3,1). (Bus multiplex between command and data signals)

In claim 43, Sawada teaches about a process control system of claim 24, further including a diagnostic tool adapted to be communicatively coupled to the first I/O network and includes a routine adapted to be implemented on a processor to access the first network identification tag on the first I/O network (Col 11, lines 30-50). (The process of initialization in IEEE is a process of discovery, which makes it equivalent to a diagnostic tool).

In claim 44, Sawada teaches about a process control system of claim 24,wherein the

routine issues a request for the first network identification tag on the first I/O network (Col 11,

lines 30-50).

In claim 45, Sawada teaches about a process control system of claim 43, wherein the

routine listens for the first network identification tag on the first I/O network (Col 11, lines 30-

50).

In claim 46, Sawada teaches about a process control system of claim -1. 3, wherein the

routine identifies the communication protocol for the first I/O network (Col 10, lines 10-15).

(The information in the configuration ROM indicates the capability of the device, which can

only be operated by having knowledge of the protocol).

In claim 47, Sawada teaches about a process control system of claim 43, wherein the

routine interprets the first network identification tag received on the I/O network and provides an

indication identifying the first I/O network on the diagnostic tool (An attachment)(Col 11, lines

45-50).

In claim 48, Sawada teaches about a process control system of claim 47, wherein the

routine displays the first network identification tag on the diagnostic tool (Fig 10).

In claim 49, Sawada teaches about a process control system of claim 47, wherein the

routine displays the identity of the first I/O network within a configuration diagram (Fig 10).

In claim 50, Sawada teaches about a diagnostic tool for identifying a selected I/O

network in a process control system having a plurality of I/O networks, wherein a device

communicatively coupled to the selected I/O network is adapted to make a network identification

tag for the selected I/O network available on the selected I/O network, the diagnostic tool

comprising (Col 11, lines 30-50) (Col 6, lines 35-50) (The process of initialization in IEEE is a

process of discovery which makes it equivalent to a diagnostic tool):

a port adapted to be communicatively coupled to the selected I/O network (Fig 3, 1);

a computer readable memory (Fig 3, 52);

a processor (Fig 3,50);

a first routine stored on the computer readable memory and adapted to be implemented

on the processor to receive the network identification tag from the selected I/O network "Nodes"

(Col 6, lines 20-30); and

a second routine stored on the computer readable memory and adapted to be implemented

on the processor to identify the selected I/O network based on the received network identification

tag (Col 6, lines 20-30).

In claim 51, Sawada teaches about a diagnostic tool of claim 50, wherein the first routine

issues a request for the network identification tag over the selected I/O network (Col 6, lines 20-

30).

In claim 52, Sawada teaches about a diagnostic tool of claim 50, wherein the first routine

listens for the network identification tag being periodically transmitted on the selected I/O

network (Col 6, lines 20-30).

In claim 53, Sawada teaches about a diagnostics tool of claim 50, further including a third

routine stored on the computer readable memory and adapted to be implemented on the

processor to identify a communication protocol used on the selected I/O network (Col 10, lines

10-15). (The information in the configuration ROM indicates the capability of the device, which

can only be operated by knowing the protocol).

In claim 54, Sawada teaches about a diagnostics tool of claim 50, further including a third

routine stored on the computer readable memory and adapted to be implemented on the

processor to provide an indication representative of the identity of the selected I/O network (Fig

10). The layout of the network is display

In claim 55, Sawada teaches about a diagnostics tool of claim 54, wherein the third

routine displays the received network identification tag on the diagnostic tool (Fig 10).

In claim 56, Sawada teaches about a diagnostic tool of claim 54, wherein the third routine

displays the identity of the I/O network associated with the received network identification tag

using a configuration diagram (Fig 10).

In claim 57, Sawada teaches about a diagnostic tool of claim 54, wherein the third routine

identifies the I/O network associated with the received network identification tag using a

network configuration database "mapping table"(Col 7, lines 30-40).

In claim 58, Sawada teaches about a diagnostics tool of claim 50, further including:

a third routine stored on the computer readable memory and adapted to be implemented

on the processor to accept an indication of one of the plurality of I/O "nodes" networks as an

input (Col 6, lines 20-30);

a fourth routine stored on the computer readable memory and adapted to be implemented

on the processor to compare the identity of the I/O network associated with the network

identification tag received front the selected I/O network with identity of the I/O network

associated with the indication of the one of the plurality of the I/O networks (Col 11, lines 30-

50): (Inherently there has to be some comparing to decide if there is an attachment or

detachment)

a fifth routine stored on the computer readable memory and adapted to be implemented

on the processor to generate a first indication if the identity of the I/O network associated with

the network identification tag received from the selected I/O network matches the identity of the

I/O network associated with the indication of the one plurality of I/O networks (an attachment)

(Col 11, lines 30-50); and

a sixth routine stored on a computer readable memory and adapted to be implemented on

the processor to generate a second indication if the identity of the I/O network associated with

the network identification tag received from the selected I/O network does not match the identity

of the I/O network associated with the indication of the one of the plurality of 1/O networks (a

detachment) (Col 11, lines 30-50).

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

US Patent No. 6,405,103 by Ryan et al, teaches about a computer program for controlling

domestic appliances, generated tag name comprising concatenation of area and description field

and item comprising address field contents.

US Patent No. 5,980,078 by Krivoshein et al, teaches about a process control system

including automatic sensing and automatic configuration of devices.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as

set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Michael S. A. Delgado whose telephone number is (571) 272-

3926. The examiner can normally be reached on 7.30 AM - 5.30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, WILLIAM A CUCHLINSKI JR can be reached on (571) 272-3925

. The fax phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MD

MARC D. THOMPSON
MARC THOMPSON
PRIMARY EXAMINER
571 272 3932